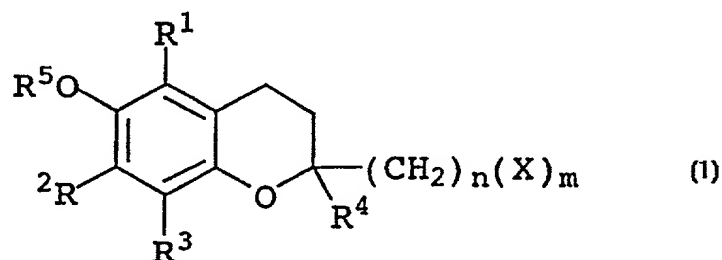




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(54) Title: PREVENTIVE AND THERAPEUTIC AGENTS FOR ARTERIOSCLEROSIS

(54) 発明の名称    動脈硬化症予防および治療剤

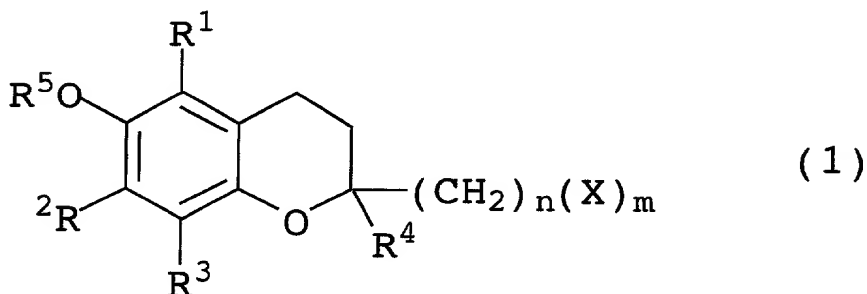


(57) Abstract

Preventive and therapeutic agents for arteriosclerosis, containing as the active ingredient chromanol glycosides represented by formula (1) (wherein  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  are each independently hydrogen or lower alkyl;  $R^5$  is hydrogen, lower alkyl or lower acyl; X is a mono- or oligosaccharide residue whose hydroxyl hydrogen atoms may be replaced by lower alkyl or lower acyl; n is an integer of 0 to 6; and m is an integer of 1 to 6). These agents are safe and act effectively on an affected part even when applied in a small dose, thus being efficacious in preventing or treating arteriosclerosis.

ABSTRACT

This invention concerns an agent for preventing and curing arteriosclerosis, which has as an active component thereof a chromanol glucoside represented by the following  
5 general formula (1)



(wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, and R<sup>4</sup> are the same or different and are each a hydrogen atom or a lower alkyl group, R<sup>5</sup> is a hydrogen atom, a lower alkyl group, or a lower acyl group, X is a  
10 monosaccharide residue or an oligosaccharide residue optionally having a lower alkyl group or a lower acyl group substitute for the hydrogen atom of the hydroxyl group in the saccharide residue, n is an integer in the range of 0  
15 - 6, and m is an integer in the range of 1 - 6). This agent is capable of effectively acting on the affected part safely at a small application rate and preventing and curing arteriosclerosis.